

STUDIES IN THE EUPATORIEAE (COMPOSITAE), VII. KEY TO GENERA OF SUBTRIBE PIQUIERINAE

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The subtribe Piquerinae has been characterized by having anthers with appendages which are vestigial or lacking. The most recent key to the genera of this subtribe was provided by Robinson (1913) in his generic key to the whole tribe Eupatorieae. Since Robinson's work, six new genera have been described in the Piquerinae alone, and one genus *Podophania* has been reduced to synonymy under *Hofmeisteria* in the subtribe Ageratinae (King & H. Robinson 1966). For these reasons the following key to the genera of the Piquerinae is proposed.

- 1a Heads one flowered *Mexianthus*
- 1b Heads many flowered 2
 - 2a Pappus lacking 3
 - 2b Pappus present 5
- 3a Flowers asymmetrical, receptacle paleaceous *Ferreyrella*
- 3b Flowers symmetrical, receptacle naked 4
 - 4a Achenes 4-5 ribbed, corollas 5 lobed *Piqueria*
 - 4b Achenes 8-10 ribbed, corollas 4 lobed *Piqueriopsis*
- 5a Pappus composed of long setae 6
- 5b Pappus composed of short or broad scales 8
 - 6a Pappus of 5 setae winged at base *Ageratella*
 - 6b Pappus of 10 or more setae not winged at base 7
- 7a Pappus of 15-35 setae *Ophryosporus*
- 7b Pappus of 10 setae *Decachaeta*
 - 8a Heads 4-8 flowered 9
 - 8b Heads 10 or more flowered 10
- 9a Filaments naked, pappus segments few, irregular, and unequal *Phania*
- 9b Filaments bearing long pubescence, pappus segments numerous,
regular and equal *Ellenbergia*
- 10a Achenes encased in a membranous sac *Ascidogyne*
- 10b Achenes not encased in a membranous sac *Trychinolepis*

The genera of the Piquerinae are listed below along with the original publication and type species. In some cases additional pertinent literature is included.

Ageratella A. Gray ex S. Wats., Proc. Amer. Acad., 22: 419. 1887.

Distribution: Mexico

Type: *A. microphylla* (Sch.-Bip.) A. Gray ex S. Wats., (*Ageratum microphyllum* Sch.-Bip.).

- Ascidogyne* J. Cuatrecasas, Ann. Missouri Bot. Gard., 53 (3): 310. 1965.
 Distribution: Peru
 Type: *A. wurdackii* Cuatr.
- Decachaeta* DC., Prod. V: 133. 1836.
 Distribution: Mexico
 Type: *D. haenkeana* DC.
- Ellenbergia* J. Cuatrecasas, Proc. Biol. Soc. Wash., 77: 142. 1964.
 Distribution: Peru
 Type: *E. glandulata* Cuatr.
- Ferreyrella* S. F. Blake, Jour. Wash. Acad. Sci., 47: 407. 1958.
 Distribution: Peru
 Type: *F. peruviana* S. F. Blake
- Mexianthus* B. L. Robinson, Contr. Gray Herb. 80: 5. 1928.
 Distribution: Mexico
 Type: *M. mexicanus* B. L. Robinson
- Ophryosporous* Meyen, Reise I: 402. 1834.
 Distribution: Central and South America
 Type: *O. triangularis* Meyen.
 Additional reference: Robinson, B. L. Proc. Amer. Acad. 42:
 17-27. 1906.
- Phania* DC., Prod. V: 114. 1836.
 Distribution: West Indies
 Type: *P. multicaulis* DC.
- Piqueria* Cav., Icon. III: 18 t 235. 1794.
 Distribution: Central America, West Indies, South America
 Type: *P. trinervia* Cav.
 Additional reference: Robinson, B. L. Proc. Amer. Acad. 42:
 4-16. 1906.
- Piqueriopsis* R. M. King, Brittonia 17: 352. 1965.
 Distribution: Mexico
 Type: *P. michoacana* R. M. King
- Trychinolepis* B. L. Robinson, Contr. Gray Herb. 80: 6. 1928.
 Distribution: Peru
 Type: *T. hoppii* B. L. Robinson

REFERENCES

- KING, R. M., AND H. ROBINSON. Generic limitations in the *Hofmeisteria* complex (Compositae-Eupatorieae). Phytologia 12: 465-475. 1966.
- ROBINSON, B. L. A generic key to the Compositae-Eupatorieae. Contr. Gray Herb. 42: 429-437. 1913.